50/11

PCT10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/031,047

DATE: 02/13/2002
TIME: 19:58:17

Input Set : A:\PTO.txt
Output Set: N:\CRF3\02132002\J031047.raw

ENTERED

```
 2  <110> APPLICANT: FRESNO ESCUDERO, Manuel
 3         IIGUEZ PENA, Miguel Angel
 5  <120> TITLE OF INVENTION: NUCLEIC ACIDS, VECTORS, AND CELL LINES
 6         COMPRISING A CYCLOOXYGENASE 2 (COX-2) PROMOTER AND METHODS
 7         OF SCREENING FOR COX-2 INHIBITORS
 9  <130> FILE REFERENCE: 34909-PCT-USA 069277.0108
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/031,047
C--> 11 <141> CURRENT FILING DATE: 2002-01-10
11  <150> PRIOR APPLICATION NUMBER: ES P9901557
12  <151> PRIOR FILING DATE: 1999-07-12
14  <160> NUMBER OF SEQ ID NOS: 5
16  <170> SOFTWARE: FastSEQ for Windows Version 4.0
18  <210> SEQ ID NO: 1
19  <211> LENGTH: 33
20  <212> TYPE: DNA
21  <213> ORGANISM: Artificial Sequence
23  <220> FEATURE:
24  <223> OTHER INFORMATION: Oligonucleotide primer
26  <400> SEQUENCE: 1                                                    33
27  gggggatccg gattctaaca tggcttctaa ccc
29  <210> SEQ ID NO: 2
30  <211> LENGTH: 30
31  <212> TYPE: DNA
32  <213> ORGANISM: Artificial Sequence
34  <220> FEATURE:
35  <223> OTHER INFORMATION: Oligonucleotide primer
37  <400> SEQUENCE: 2                                                    30
38  gggagatctg gtaggctttg ctgtctgagg
40  <210> SEQ ID NO: 3
41  <211> LENGTH: 1979
42  <212> TYPE: DNA
43  <213> ORGANISM: Artificial Sequence
45  <220> FEATURE:
46  <223> OTHER INFORMATION: Human cyclooxygenase 2 promoter cloning fragment
48  <221> NAME/KEY: primer_bind
49  <222> LOCATION: (46)...(70)
50  <223> OTHER INFORMATION: Oligonucleotide No 1
52  <221> NAME/KEY: primer_bind
53  <222> LOCATION: (1925)...(1947)
54  <223> OTHER INFORMATION: Oligonucleotide No 1
56  <400> SEQUENCE: 3
57  gaattcagga ttgtaatgta aaattttagt actctctcac agtatggatt ctaacatggc   60
58  ttctaaccca aactaacatt agtagctcta actataaact tcaaatttca gtagatgcaa  120
```

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59 cctactcctt taaaatgaaa cagaagattg aaattattaa attatcaaaa agaaaatgat 180
60 ccacgctctt agttgaaatt tcatgtaaga ttccatgcaa taaataggag tgccataaat 240
61 ggaatgatga aaatgacta gaggaggaga aaggcttcct agatgagatg gaattttagt 300
62 catccgtgtc tcatgaagaa tcagatgtgt acactaagca aaacagttaa aaaaaaaacc 360
63 tccaagtgag tctcttattt atttttttct tataagactt ctacaaattg aggtacctgg 420
64 tgtagttta tttcaggttt tatgctgtca ttttcctgta atgctaagga cttaggacat 480
65 aactgaattt tctatttcc acttctttc tggtgtgtgt gtatatatat atgtatatat 540
66 acacacacac atatacatat atatattttt agtatctcac cctcacatgc tcctccctga 600
67 gcactaccca tgatagatgt taaacaaaag caaagatgaa attccaactg ttaaaatctc 660
68 ccttccatct aattaattcc tcatccaact atgttccaaa acgagaatag aaaattagcc 720
69 ccaataagcc caggcaactg aaaagtaaat gctatgttgt actttgatcc atggtcacaa 780
70 ctcataatct tgtgaaaagtg gacagaaaag acaaaagagt gaactttaaa actcgaattt 840
71 attttaccag tatctcctat gaagggctaa taaccaaaat aatccacgca tcagggagag 900
72 aaatgcctta aggcatacgt tttggacatt tagctgccct gcaaattctg gccatcgccg 960
73 cttccttgt ccatcagaag gcaggaaact ttatattggt gacccgtgga gctcacatta 1020
74 actatttaca gggtaactgc ttaggaccag tattatgagg aggatttacc tttcccgcct 1080
75 ctcttccaa gaaacaagga ggggtgaag gtacggagaa cagtatttct tctgttgaaa 1140
76 gcaacttagc tacaaagata aattacagct atgtacactg aagtagctta tttcattcca 1200
77 caaataaga gttttttaaa aagctatgta tgtatgtcct gcatatagag cagatataca 1260
78 gcctattaag cgtcgtcact aaaacataaa acatgtcagc cttcttaac cttactcgcc 1320
79 ccagtctgtc ccgacgtgac ttcctcgacc ctctaaagac gtacagacca gacacggcgg 1380
80 cggcggcggg agaggggatt ccctgcgccc ccggacctca gggccgctca gattcctgaa 1440
81 gaggaagcca agtgtccttc tgccctcccc cggtatccca tccaaggcga tcagtccaga 1500
82 actggctctc ggaacgctc gggcaaagac tgcgaagaag aaaagacatc tggcggaaac 1560
83 ctgtgcgcct ggggcggtgg aactcgggga ggagagggag ggatcagaca ggagagtggg 1620
84 gactaccccc tctgctccca aattgggca gcttcctggg tttccgattt tctcatttcc 1680
85 gtgggtaaaa aaccctgccc ccaccgggct tacgcaattt ttttaagggg agaggaggga 1740
86 aaaatttgtt ggggggtacga aaagcggaa agaaacagtc atttcgtcac atgggcttcg 1800
87 ttttcagtct tataaaaagg aagttctct cggttagcga ccaattgtca tacgacttgc 1860
88 agtgagcgtc aggagcacgt ccaggaactc ctcagcagcg cctccttcag ctccacagcc 1920
89 agacgccctc agacagcaaa gcctacccc cgcgccgcgc cctgcccgcc gctgcgatg 1979
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91 <210> SEQ ID NO: 4
92 <211> LENGTH: 70
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Cloning fragment where sequences of 5' and 3' ends
98 are shown in detail and the internal sequences are
99 represented by Ns.
101 <221> NAME/KEY: promoter
102 <222> LOCATION: (34)...(40)
103 <223> OTHER INFORMATION: Shorthand representation of sequence from
104 nucleotide 25 to nucleotide 882 of SEQ ID. NO:5
106 <400> SEQUENCE: 4

```
107 gggggatccg gattctaaca tggcttctaa cccnnnnnnn cctcagacag caaagcctac 60
108 cagatctccc                                                         70
```

110 <210> SEQ ID NO: 5
111 <211> LENGTH: 1902
112 <212> TYPE: DNA

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```
113 <213> ORGANISM: Human
115 <400> SEQUENCE: 5
116 ggattctaac atggcttcta acccaaacta acattagtag ctctaactat aaacttcaaa 60
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118 caaaaagaaa atgatccacg ctcttagttg aaatttcatg taagattcca tgcaataaat 180
119 aggagtgcca taaatggaat gatgaaatat gactagagga ggagaaaggc ttcctagatg 240
120 agatggaatt ttagtcatcc gtgtctcatg aagaatcaga tgtgtacact aagcaaaaca 300
121 gttaaaaaaa aaacctccaa gtgagtctct tatttatttt tttcttataa gacttctaca 360
122 aattgaggta cctggtgtag ttttatttca ggttttatgc tgtcattttc ctgtaatgct 420
123 aaggacttag gacataactg aatttctat tttccacttc tttctggtg tgtgtgtata 480
124 tatatatgta tatatacaca cacacatata catatatata tttttagtat ctcaccctca 540
125 catgctcctc cctgagcact acccatgata gatgttaaac aaaagcaaag atgaaattcc 600
126 aactgttaaa atctccettc catctaatta attcctcatc caactatgtt ccaaaacgag 660
127 aatagaaaat tagccccaat aagcccaggc aactgaaaag taaatgctat gttgtacttt 720
128 gatccatgt cacaactcat aatcttggaa aagtggacag aaaagacaaa agagtgaact 780
129 ttaaaactcg aatttatttt accagtatct cctatgaagg gctagtaacc aaaataatcc 840
130 acgcatcagg gagagaaatg ccttaaggca tacgttttgg acatttagcg tccctgcaaa 900
131 ttctggccat cgccgcttcc tttgtccatc agaaggcagg aaactttata ttggtgaccc 960
132 gtggagctca cattaactat ttacagggta actgcttagg accagtatta tgaggaggat 1020
133 ttacctttcc cgcctctctt tccaagaaac aaggaggggg tgaaggtacg gagaacagta 1080
134 tttcttctgt tgaaagcaac ttagctacaa agataaatta cagctatgta cactgaaggt 1140
135 agctatttca ttccacaaaa taagagtttt ttaaaaagct atgtatgtat gtcctgcata 1200
136 tagagcagat atacagccta ttaagcgtcg tcactaaaac ataaaacatg tcagccttttc 1260
137 ttaaccttac tcgccccagt ctgtcccgac gtgacttcct cgaccctcta aagacgtaca 1320
138 gaccagacac ggcggcggcg gcgggagagg ggattccctg cgccccggga cctcagggcc 1380
139 gctcagattc ctggagagga agccaagtgt ccttctgccc tcccccggta tcccatccaa 1440
140 ggcgatcagt ccagaactgg ctctcggaag cgctcgggca aagactgcga agaagaaaag 1500
141 acatctggcg gaaacctgtg cgcctggggc ggtggaactc ggggaggaga gggagggatc 1560
142 agacaggaga gtgggacta ccccctctgc tcccaaattg gggcagcttc ctgggtttcc 1620
143 gattttctca tttccgtggg taaaaaaccc tgccccacc gggctacgc aatttttttta 1680
144 aggggagagg agggaaaaat ttgtgggggg tacgaaaagg cggaaagaaa cagtcatttc 1740
145 gtcacatggg cttggttttc agtcttataa aaaggaaggt tctctcggtt agcgaccaat 1800
146 tgtcatacga cttgcagtga gcgtcaggag cacgtccagg aactcctcag cagcgcctcc 1860
147 ttcagctcca cagccagacg ccctcagaca gcaaagccta cc                     1902
```

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4